

**This Page is Inserted by IFW Indexing and Scanning  
Operations and is not part of the Official Record**

**BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ BLACK BORDERS
- ☐ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
- ☐ FADED TEXT OR DRAWING
- ☐ BLURRED OR ILLEGIBLE TEXT OR DRAWING
- ☐ SKEWED/SLANTED IMAGES
- ☐ COLOR OR BLACK AND WHITE PHOTOGRAPHS
- ☐ GRAY SCALE DOCUMENTS
- ☐ LINES OR MARKS ON ORIGINAL DOCUMENT
- ☐ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY
- ☐ OTHER: \_\_\_\_\_

**IMAGES ARE BEST AVAILABLE COPY.**

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.

L Number	Hits	Search Text	DB	Time stamp
-	1602	data adj engine	USPAT; EPO; JPO	2004/09/07 11:49
-	1602	data adj engine \	USPAT; EPO; JPO	2002/08/28 10:55
-	1602	data adj engine	USPAT; EPO; JPO	2002/08/28 10:44
-	109	data adj engine and quer\$4	USPAT; EPO; JPO	2002/08/28 10:45
-	0	data adj engine and quer\$4 and first adj means and second adj means	USPAT; EPO; JPO	2002/08/28 10:49
-	1602	data adj engine	USPAT; EPO; JPO	2002/08/28 10:55
-	2	data adj engine and first adj means and second adj means	USPAT; EPO; JPO	2002/08/28 10:57
-	509	data adj engine and display\$4	USPAT; EPO; JPO	2002/08/28 11:16
-	1	data adj engine and display\$4 and condition\$4 near attribute	USPAT; EPO; JPO	2002/08/28 11:15
-	73	data adj engine and display\$4 and attribute and condition\$3	USPAT; EPO; JPO	2002/08/28 11:21
-	9	data adj engine and display\$4 and attribute and condition\$3 and sql and data\$base	USPAT; EPO; JPO	2002/08/28 11:19
-	9	data adj engine and display\$4 and attribute and condition\$3 and sql and data\$base and quer\$4	USPAT; EPO; JPO	2002/08/28 11:20
-	1	data adj engine and display\$4 and attribute and condition\$3 near attribute	USPAT; EPO; JPO	2002/08/28 11:22
-	28	conditional near attribute	USPAT; EPO; JPO	2002/08/28 11:22
-	17	conditional near attribute and data\$base	USPAT; EPO; JPO	2002/08/28 11:33
-	1	conditional near attribute and data\$base and display near attribute	USPAT; EPO; JPO	2002/08/28 11:22
-	8	conditional near attribute and data\$base and sql	USPAT; EPO; JPO	2002/08/28 11:35
-	3	conditional near attribute and data\$base and sql and report	USPAT; EPO; JPO	2002/08/28 11:41
-	0	refine adj quer\$4.ti.	USPAT; EPO; JPO	2002/08/28 11:41
-	0	refin\$4 adj quer\$4.ti.	USPAT; EPO; JPO	2002/08/28 11:42
-	0	refin\$4 near quer\$4.ti.	USPAT; EPO; JPO	2002/08/28 11:42
-	83	refin\$4 near quer\$4	USPAT; EPO; JPO	2002/08/28 11:43
-	0	refin\$4 near quer\$4 and conditional near attribute	USPAT; EPO; JPO	2002/08/28 11:43
-	1	refin\$4 near quer\$4 and condition\$4 near attribute	USPAT; EPO; JPO	2002/08/28 11:45
-	0	refin\$4 near quer\$4 and condition\$4 near attribute and data\$base and report	USPAT; EPO; JPO	2002/08/28 11:46
-	25	refin\$4 near quer\$4 and condition\$4 and attribute and data\$base and report and display\$4	USPAT; EPO; JPO	2002/08/28 15:03
-	12	refin\$4 near quer\$4 and condition\$4 and attribute and data\$base and report and display\$4 and sql	USPAT; EPO; JPO	2002/08/28 11:47
-	11	refin\$4 near quer\$4 and condition\$4 and attribute and data\$base and report and display\$4 and sql and user near interact\$4	USPAT; EPO; JPO	2003/10/15 08:45
-	0	refin\$4 near quer\$4 and condition\$4 and attribute and data\$base and report and display\$4 and sql and user near interact\$4 and data adj engine	USPAT; EPO; JPO	2002/08/28 15:02

-	0	refin\$4 near quer\$4 and condition\$4 and attribute and data\$base and report and display\$4 and sql and user near interact\$4 and isometric\$3	USPAT; EPO; JPO	2002/08/28 15:03
-	0	refin\$4 near quer\$4 and condition\$4 and attribute and data\$base and report and display\$4 and sql and user near interact\$4 and isometric\$4	USPAT; EPO; JPO	2002/08/28 15:03
-	0	refin\$4 near quer\$4 and condition\$4 and attribute and data\$base and report and display\$4 and sql and user near interact\$4 and isometric\$5	USPAT; EPO; JPO	2002/08/28 15:03
-	0	refin\$4 near quer\$4 and condition\$4 and attribute and data\$base and report and display\$4 and isometric\$5	USPAT; EPO; JPO	2002/08/28 15:04
-	43	isometric\$5 near display	USPAT; EPO; JPO	2002/08/28 15:04
-	0	707/\$.ccls. and isometric\$5 near display	USPAT; EPO; JPO	2002/08/28 15:05
-	0	707/\$.ccls. and isometric\$5 near display\$3	USPAT; EPO; JPO	2002/08/28 15:05
-	0	data\$base and isometric\$5 near display\$3	USPAT; EPO; JPO	2002/08/28 16:23
-	2	cooperat\$4 near data near engine	USPAT; EPO; JPO	2002/08/28 16:23
-	2474	data near engine	USPAT; EPO; JPO	2002/08/28 16:24
-	105	707/\$.ccls. and data near engine	USPAT; EPO; JPO	2002/08/28 16:24
-	14	707/\$.ccls. and data near engine and cooperat\$4	USPAT; EPO; JPO	2002/08/29 09:47
-	14	707/\$.ccls. and data near engine and simulat\$4	USPAT; EPO; JPO	2002/08/29 09:59
-	2	707/\$.ccls. and data adj engine and simulat\$4	USPAT; EPO; JPO	2002/08/29 10:01
-	6	data adj engine near simulat\$4	USPAT; EPO; JPO	2002/08/29 10:03
-	3	data adj engine and simulat\$4 near tool	USPAT; EPO; JPO	2002/08/29 10:04
-	4	data near engine and simulat\$4 near tool	USPAT; EPO; JPO	2002/08/29 10:04
-	294	data near engine and simulat\$4	USPAT; EPO; JPO	2002/08/29 10:05
-	4	data near engine and simulat\$4 near tool	USPAT; EPO; JPO	2002/08/29 10:05
-	7	data\$4 near engine and simulat\$4 near tool	USPAT; EPO; JPO	2002/08/29 10:08
-	389	data\$4 near engine and simulat\$4	USPAT; EPO; JPO	2002/08/29 10:08
-	45	707/\$.ccls. and data\$4 near engine and simulat\$4	USPAT; EPO; JPO	2002/08/29 10:09
-	0	707/\$.ccls. and data\$4 near engine and simulat\$4 and isometric\$3	USPAT; EPO; JPO	2002/08/29 10:10
-	1	707/\$.ccls. and data\$4 near engine and simulat\$4 near tool	USPAT; EPO; JPO	2002/08/29 10:16
-	70	707/\$.ccls. and data\$4 near engine and (simulat\$4 emulat\$4)	USPAT; EPO; JPO	2002/08/29 10:16
-	28	707/\$.ccls. and data\$5 near engine and emulat\$	USPAT; EPO; JPO	2002/08/29 11:47
-	43	isometric\$4 near display	USPAT; EPO; JPO	2002/08/29 12:12
-	0	707/\$.ccls. and isometric\$4 near display	USPAT; EPO; JPO	2002/08/29 11:48
-	30	isometric\$4 adj display	USPAT; EPO; JPO	2002/08/29 12:14
-	1	isometric\$4 adj display.ti.	USPAT; EPO; JPO	2002/08/29 12:13
-	3	isometric\$4 adj display and report	USPAT; EPO; JPO	2002/08/29 12:14
-	7581	display with attribute	USPAT; EPO; JPO	2003/10/15 08:45

-	61	display with attribute and conditional with attribute	USPAT; EPO; JPO	2003/10/15 08:46
-	30	display with attribute and conditional with attribute and (convert\$4 chang\$4) with attribute	USPAT; EPO; JPO	2003/10/15 08:48
-	1	display with attribute and conditional with attribute and (convert\$4 chang\$4) with display with attribute with condition\$4	USPAT; EPO; JPO	2003/10/15 08:47
-	0	display with attribute and conditional with attribute and (convert\$4 chang\$4) with attribute and data with engne	USPAT; EPO; JPO	2003/10/15 08:49
-	0	display with attribute and conditional with attribute and (convert\$4 chang\$4) with attribute and query\$4	USPAT; EPO; JPO	2003/10/15 08:49
-	15	display with attribute and conditional with attribute and (convert\$4 chang\$4) with attribute and query\$4	USPAT; EPO; JPO	2003/10/15 08:49
-	10	display with attribute and conditional with attribute and (convert\$4 chang\$4) with attribute and query\$4 and report\$4	USPAT; EPO; JPO	2003/10/15 08:52
-	3	display near2 attribute and conditional near2 attribute and (convert\$4 chang\$4) with attribute and query\$4 and report\$4	USPAT; EPO; JPO	2003/10/15 09:05
-	1	display near2 attribute and conditional near2 attribute and (convert\$4 chang\$4) with attribute and query\$4 and report\$4 and data\$base	USPAT; EPO; JPO	2003/10/15 09:05
-	0	display near2 attribute and conditional near2 attribute and (convert\$4 chang\$4) with attribute and query\$4 and report\$4 and data\$base and data\$base with quer\$4	USPAT; EPO; JPO	2003/10/15 09:06
-	0	display near2 attribute and conditional near2 attribute and (convert\$4 chang\$4) with attribute and query\$4 and report\$4 and data\$base and data\$base same quer\$4	USPAT; EPO; JPO	2003/10/15 09:06
-	1	display near2 attribute and conditional near2 attribute and (convert\$4 chang\$4) with attribute and query\$4 and report\$4 and data\$base	USPAT; EPO; JPO	2003/10/15 10:06
-	1	display near2 attribute and conditional near2 attribute and (convert\$4 substitut\$4 modif\$4 chang\$4) with attribute and query\$4 and report\$4 and data\$base and data\$base	USPAT; EPO; JPO	2003/10/15 10:09
-	9588	(chang\$4 modif\$4 alter\$4 substirut\$4 replac\$4) with attribute	USPAT; EPO; JPO	2003/10/15 10:09
-	1296	(chang\$4 modif\$4 alter\$4 substirut\$4 replac\$4) with attribute with display	USPAT; EPO; JPO	2003/10/15 10:09
-	0	(chang\$4 modif\$4 alter\$4 substirut\$4 replac\$4) with attribute with display with conditional	USPAT; EPO; JPO	2003/10/15 10:10
-	39	(chang\$4 modif\$4 alter\$4 substirut\$4 replac\$4) with attribute with display with condition\$4	USPAT; EPO; JPO	2003/10/15 10:10
-	1	(chang\$4 modif\$4 alter\$4 substirut\$4 replac\$4) with attribute with display with condition\$4 and 707/\$.cccls.	USPAT; EPO; JPO	2003/10/15 10:12
-	39	(chang\$4 modif\$4 alter\$4 substirut\$4 replac\$4) with attribute with display with condition\$4 not "business machnes".as.	USPAT; EPO; JPO	2003/10/15 10:13
-	37	(chang\$4 modif\$4 alter\$4 substirut\$4 replac\$4) with attribute with display with condition\$4 not "business machines".as.	USPAT; EPO; JPO	2003/10/15 10:17

-	3	(chang\$4 modif\$4 alter\$4 substirut\$4 replac\$4) with attribute with display with condition\$4 not "business machines".as. and data\$base and report	USPAT; EPO; JPO	2003/10/15 10:15
-	5	(chang\$4 modif\$4 alter\$4 substirut\$4 replac\$4) with attribute with display with condition\$4 not "business machines".as. and data\$base	USPAT; EPO; JPO	2003/10/15 10:15
-	0	(chang\$4 modif\$4 alter\$4 substirut\$4 replac\$4) with attribute with display with condition\$4 not "business machines".as. and data\$base and quer\$4	USPAT; EPO; JPO	2003/10/15 10:15
-	1	(chang\$4 modif\$4 alter\$4 substirut\$4 replac\$4) with attribute with display with condition\$4 not "business machines".as. and data\$base and sql	USPAT; EPO; JPO	2003/10/15 10:16
-	1	(chang\$4 modif\$4 conver\$4 alter\$4 substirut\$4 replac\$4) with attribute with display with condition\$4 not "business machines".as. and data\$base and sql	USPAT; EPO; JPO	2003/10/15 10:17
-	55	(chang\$4 modif\$4 conver\$5 alter\$4 substirut\$4 replac\$4) with attribute with display with condition\$4 not "business machines".as.	USPAT; EPO; JPO	2003/10/15 10:17
-	0	(chang\$4 modif\$4 conver\$5 alter\$4 substirut\$4 replac\$4) with attribute with display with condition\$4 not "business machines".as. and data\$base and quer\$4	USPAT; EPO; JPO	2003/10/15 10:17
-	1	(chang\$4 modif\$4 conver\$5 alter\$4 substirut\$4 replac\$4) with attribute with display with condition\$4 not "business machines".as. and data\$base and sql	USPAT; EPO; JPO	2003/10/15 10:17
-	7	(chang\$4 modif\$4 conver\$5 alter\$4 substirut\$4 replac\$4) with attribute with display with condition\$4 not "business machines".as. and data\$base	USPAT; EPO; JPO	2004/03/22 11:27
-	8	(chang\$4 modif\$4 conver\$5 alter\$4 substitut\$4 replac\$4) with attribute with display with condition\$4 not "business machines".as. and data\$base	USPAT; EPO; JPO	2004/03/22 11:28
-	8	(chang\$4 modif\$4 conver\$5 alter\$4 substitut\$4 replac\$4) with attribute with display with condition\$4 not "business machines".as. and data\$base and display\$4 with attribute	USPAT; EPO; JPO	2004/03/22 11:28
-	8	(chang\$4 modif\$4 conver\$5 alter\$4 substitut\$4 replac\$4) with attribute with display with condition\$4 not "business machines".as. and data\$base and display\$4 with attribute and condition\$4 with attribute	USPAT; EPO; JPO	2004/03/22 11:29
-	626	query with solution	USPAT; EPO; JPO	2004/09/07 11:49
-	4	query with solution with data with space	USPAT; EPO; JPO	2004/09/07 11:49
-	0	query with solution with data with space and sub adj space	USPAT; EPO; JPO	2004/09/07 11:49
-	1	query with data with space and sub adj space	USPAT; EPO; JPO	2004/09/07 11:51
-	1	query with data with space and sub adj space and search\$4	USPAT; EPO; JPO	2004/09/07 11:51
-	1	query with data with space and sub adj space and search\$4 and attribute	USPAT; EPO; JPO	2004/09/07 11:51
-	1	query with data with space and sub adj space and search\$4 and attribute with display	USPAT; EPO; JPO	2004/09/07 11:51
-	0	query with data with space and sub adj space and search\$4 and attribute with display and condition	USPAT; EPO; JPO	2004/09/07 11:52

-	0	query with data with space and sub adj space and search\$4 and attribute with display and condition\$4	USPAT; EPO; JPO	2004/09/07 11:52
-	365	display with attribute with condition\$4	USPAT; EPO; JPO	2004/09/08 09:22
-	107	display with attribute with condition\$4 and (chang\$4 modify\$4) with attribute	USPAT; EPO; JPO	2004/09/07 11:53
-	58	display with attribute with condition\$4 and (chang\$4 conver\$4 modify\$4) with attribute with display with condition\$4	USPAT; EPO; JPO	2004/09/07 11:53
-	58	display with attribute with condition\$4 with attribute and (chang\$4 conver\$4 modify\$4) with attribute with display with condition\$4	USPAT; EPO; JPO	2004/09/07 11:53
-	4	display with attribute with condition\$4 with attribute and (chang\$4 conver\$4 modify\$4) with attribute with display with condition\$4 and data with space	USPAT; EPO; JPO	2004/09/07 11:54
-	8	display with attribute with condition\$4 with attribute and (chang\$4 conver\$4 modify\$4) with attribute with display with condition\$4 and data and space	USPAT; EPO; JPO	2004/09/07 12:09
-	0	display with attribute with condition\$4 with attribute and (chang\$4 conver\$4 modify\$4) with attribute with display with condition\$4 and data and space and sub adj space	USPAT; EPO; JPO	2004/09/07 11:54
-	0	display with attribute with condition\$4 with attribute and (chang\$4 conver\$4 modify\$4) with attribute with display with condition\$4 and data and space and sub\$space	USPAT; EPO; JPO	2004/09/07 11:54
-	0	display with attribute with condition\$4 with attribute and (chang\$4 conver\$4 modify\$4) with attribute with display with condition\$4 and data and space and search\$4 and navigat\$4	USPAT; EPO; JPO	2004/09/07 11:55
-	4	display with attribute with condition\$4 with attribute and (chang\$4 conver\$4 modify\$4) with attribute with display with condition\$4 and data and space and (search\$4 navigat\$4)	USPAT; EPO; JPO	2004/09/07 11:55
-	0	display with attribute with condition\$4 with attribute and (chang\$4 conver\$4 modify\$4) with attribute with display with condition\$4 and data and space and navigat\$4	USPAT; EPO; JPO	2004/09/07 11:55
-	1	display with attribute with condition\$4 with attribute and (chang\$4 conver\$4 modify\$4) with attribute with display with condition\$4 and data and space and search with outside	USPAT; EPO; JPO	2004/09/07 11:55
-	4	display with attribute with condition\$4 with attribute and (chang\$4 conver\$4 modify\$4) with attribute with display with condition\$4 and data and space and search\$4	USPAT; EPO; JPO	2004/09/07 13:57
-	0	display with attribute with condition\$4 with attribute and (chang\$4 conver\$4 modify\$4) with attribute with display with condition\$4 and data and space and search\$4 and condition\$4 near2 attribute	USPAT; EPO; JPO	2004/09/07 12:09
-	2	display with attribute with condition\$4 with attribute and (chang\$4 conver\$4 modify\$4) with attribute with display with condition\$4 and data and space and condition\$4 near2 attribute	USPAT; EPO; JPO	2004/09/07 13:56

-	0	display with attribute with condition\$4 with attribute and (chang\$4 conver\$4 modify\$4) with attribute with display with condition\$4 and data and space and condition\$4 near2 attribute and navigat\$4	USPAT; EPO; JPO	2004/09/07 12:10
-	0	display with attribute with condition\$4 with attribute and (chang\$4 conver\$4 modify\$4) with attribute with display with condition\$4 and data and space and condition\$4 near2 attribute and graphic\$4 with (search\$4 navigat\$4)	USPAT; EPO; JPO	2004/09/07 13:57
-	3	display with attribute with condition\$4 with attribute and (chang\$4 conver\$4 modify\$4) with attribute with display with condition\$4 and data and space and search\$4 and graphic\$4	USPAT; EPO; JPO	2004/09/07 13:58
-	1	display with attribute with condition\$4 with attribute and (chang\$4 conver\$4 modify\$4) with attribute with display with condition\$4 and data and space and search\$4 and graphic\$4 with (search\$4 navigat\$4)	USPAT; EPO; JPO	2004/09/07 13:58
-	851	display with attribute and condition\$4 with attribute	USPAT; EPO; JPO	2004/09/08 09:22
-	68	display with attribute and conditional with attribute	USPAT; EPO; JPO	2004/09/08 09:22
-	0	display adj attribute and conditional adj attribute	USPAT; EPO; JPO	2004/09/08 09:22
-	16	display adj attribute and condition\$4 adj attribute	USPAT; EPO; JPO	2004/09/08 09:22
-	10	display adj attribute and condition\$4 adj attribute and display with attribute with condition\$4	USPAT; EPO; JPO	2004/09/08 09:23
-	2	display adj attribute and condition\$4 adj attribute and display with attribute with condition\$4 with (chang\$4 conver\$4 modif\$4 replac\$4)	USPAT; EPO; JPO	2004/09/08 09:25
-	18	display adj attribute and condition\$4 with attribute and display with attribute with condition\$4 with (chang\$4 conver\$4 modif\$4 replac\$4)	USPAT; EPO; JPO	2004/09/08 09:27
-	10	display adj attribute and condition\$4 near3 attribute and display with attribute with condition\$4 with (chang\$4 conver\$4 modif\$4 replac\$4)	USPAT; EPO; JPO	2004/09/08 09:27